

1-12. (CANCELED)

13. (NEW) A switching system for making energy available to electric consumers of different requirement of energy, preferably for use in the power supply of a motor vehicle, having a chargeable energy memory of a specific voltage level and consumers situated in the circuit of said energy memory and fed thereby, wherein the energy memory is designed as power-limiting primary energy memory (1) for ensuring the operation of a first group of consumers (2), and that the switching system has a secondary energy memory (4) to said consumers (5) so that during energy delivery from said secondary energy memory (4) to said consumers (5) of said second group, a noticeable feedback to said primary energy memory (1) does not occur even while it is being loaded by consumers (2) of said second group.

14. (NEW) The switching system according to claim 13, wherein said secondary energy memory (4) is charged from said primary energy memory (1) by a voltage converter (3) designed as a high-setting adjuster.

15. (NEW) The switching system according to claim 13, wherein a voltage converter (12) based on transformatory potential separation is used for charging said secondary energy memory (4) from said primary energy memory (1).

16. (NEW) The switching system according to claim 13, wherein the secondary energy memory serves a memory capacitor (4) of great voltage swing.

17. (NEW) The switching system according to claim 13, wherein said secondary energy memory is designed as one of a double-layer or multi-layer capacitor (4) of high capacity.

18. (NEW) The switching system according to claim 13, wherein a current-limiting unit (13) is provided which, by said consumers (2) of said first group, is detected as a parameter of the total current load capacity of said primary energy memory (1) and the current load of said primary energy memory (1) and depending thereon, a defined current flow from charging said secondary energy memory (4) is determined and released.

19. (NEW) The switching system according to claim 13, wherein said switching system, for detecting the voltage of said primary energy memory (1) has a monitoring device (14) which interacts with a current-limiting unit (16) for limiting the current made available by said secondary energy memory (4) to said consumers (5) of said second group.

20. (NEW) The switching system according to claim 13, wherein said consumers of said first group are reduced-power consumers (2) and said consumers of said second group are high-powered consumers (5) relative to the power consumption of said reduced-power consumers (2).

21. (NEW) The switching system according to claim 13, wherein for power control of said consumers (5) of said second group, an electronic control unit (17) is provided in which from a variable input voltage a constant output voltage of low level is produced.

22. (NEW) The switching system according to claim 14, wherein said voltage converter (3) designed as high-setting adjuster uses as throttle a cable inductivity (7).

23. (NEW) The switching system according to claim 14, wherein said voltage converter (3, 12) is not deactivated even after the maximum loading voltage has been reached.

24. (NEW) The switching system according to claim 13, wherein it can be used in a 12-V or 42-V power supply of a motor vehicle.